



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO VOLUME XVII.

Stated Meetings Held.

	<i>Page.</i>
May 20th to October 19th, 1877	1 to 16
November, 2d, 1877.	268
November 16th, 1877, to January 4th, 1878.	272 to 281
January 18th, to March 1st, 1878.	290 to 313
March 15th to June 21st, 1878.	709 to 726

New Members Elected.

* Members who have accepted by letter.		† Members who have taken their seats.	
†*Alison, Robert H.	720	†*Peirce, C. Newlin	720
*Ericsson, John.	8	*Peters, C. H. F.	293
*Gray Elisha	293	Randall, F. A.	293
*Hall, Asaph	293	*Sylvester, I. I.	8
*Haupt, Lewis M.	720	*Taylor, Wm. B.	268
*Humphrey, H. C.	8	Watson, Jas. C.	293
Landreth, Burnett	293	*Wetherill, John Price	293
*Mansfield, I. F.	293	*White, I. C.	293
*March, Francis Andrew	293	*Wilder, Burt G.	720
†*Marks, Wm. D.	720	†Wormley, Theo. G.	293
*Newcomb, Simon	293		

Members Resigned.

Miller, J. Imbrie.	726
----------------------------	-----

Members Deceased.

Betton, Thos. F.	290	Kirtland, Jared P.	289
Bull, Marcus	291	Mahon, Lord	710
Conrad, W. Timothy Abbott.	9	Mommson, Theodore.	291
Fox, Robert Were	11	Quincy, Edmund	3
*Frazer, Robert	722	Regnault, Henri Victor	314
Gabb, Wm. M.	727	Secchi, Paolo Angelo.	314
Grinnell, Wm. H.	710	Stromeyer, Louis	11
Hallowell, Benj.	290	Strong, Theo.	710
†Henry, Joseph.	722	Swift, Jos. G.	710
LeVerrier, U. J. J.	13	Tholuck, Frederick August.	

Obituary Notice Read of

John C. Cresson, by Frederick Fraley	149
--	-----

Photographs of Members Received from

Barcena, Mariano	16	Geikie, James	10
Barnard, F. A. P.	715	Haven, Samuel F.	709
Bell, I. Lowthian	726	March, F. A.	715
Cattell, W. C.	715	Peters, C. H. F.	709
Chevalier, M.	726	Porter, Thos. Conrad.	715
Dawson, John Wm.	709	Robinson, Moncure	726
Drown, T. M.	715	Walker, Sears C.	4

* Obituary Notice to be prepared by Prof. Persifor Frazer, Jr.

† " " " " " Prof. Fairman Rogers.

<i>Diplomas Received and Acknowledged by</i>	<i>Page.</i>
Biddle, C.; Brown, H. A.; Brackett, C. F	
Campbell, J. L.; Carll, J. F.; Crane, T. F	
Drown, T. M	
Eddy, H. T	
Goodell, W.; Grote, A. R	
Hall, C. E.; Hart, J. M	
Langly, S. R	
McArthur, J.; McQuillen, J. H.; Moore, G. E.	
Penington, E.	
Riley, C. V	
Sherwood, And.	
Thayer, H. R	721

Pending nominations read.

836 to 838	2, 3, 7
839	12, 14, 268
840 to 842	14, 268, 271
843 to 850	271, 273, 280, 293
851	280, 293, 314
852	293, 312, 314, 710, 720
853	312, 314, 710, 713, 720
854 to 856	713, 715, 720
857 to 863	720, 725, 728
864 to 869	725, 728

Societies Placed on the List of Correspondents.

Dresden. K. L. C. Akademie.	5
Davenport, Iowa. Academy of Sciences	9
Hanover Natural History Society	10, 11
Halle an der Saale. Verein für Erdkunde.	278
Topeka. Kansas State Historical Society	709

Committees on Papers for Transactions.

COPE, E. D.	
Fossil remains in Anguilla	308, 713, 720, 725
HALDEMAN, S. S.	
Chicques Antiquities.	728

Communications.

ASHBURNER, C. A.	
Wilcox Spouting Well	11, 127
BARKER, G. F.	
Königs normal fork	6
On the Pretended Inventions of Mr. Hughes, of London	728
BARRETT, O., JR.	
Pipe Line Levels in Indiana County	14, 145
BLAKE, G. S.	
Kabyle Chief's Language	291
BLASIUS, W.	
Causes of the Huron Disaster	212, 275
Modern Meteorological Methods.	275, 278

BLODGETT, L.	<i>Page.</i>
On Silver Ores from Peru	728
BRIGGS, R.	
Deviating Forces of a Fly-wheel	126
Flow of Water through an opening	9, 124
Discussion on the Wilcox Well	11, 133
Diffusion of Heat Generated by a Gas-burner	309
BRITTON, B.	
Forms in which Carbon Exists in Iron and Steel	712
CARLL, J. F.	
Results of Oil Well Surveys	17
CHANCE, H. M.	
Section from Lock Haven to Renova	716
Hyner's Station Oil Well Section	670
CHASE, P. E.	
Illustrations of Central Force	98
Lines in the Solar Spectrum	7, 12
Equations of Planetary Masses, etc	292
Radii of the Orbits of the Satellites of Mars	268
Results of Wave Interference	294
Criteria of the Nebular Hypothesis	314, 341
Radiation and Rotation	701, 727
CHEVALIER, M.	
Channel Railway Survey	283
COPE, E. D.	
Reptiles and Fishes from the Austro-riparian region of the U. S.	2, 9, 63
Reptilian Bone-bed in East Illinois	2, 52
Adocidae from the Tertiary of Georgia	7, 82
Tenth Contribution: Herpetology of Tropical America	7, 85
Reptiles and Fishes from Kansas Cretaceous No 3	9, 176
Synopsis of Cold Blooded Vertebrata from Peru	33
Brain of <i>Procamelus occidentalis</i>	49
Extinct Vertebrata from the Permian and Trias, U. S.	182, 263, 712
Reptilian Remains from Dakota Beds	193, 280
New Vertebrata from the Upper Tertiary	219, 280
Triassic Saurians found in Pennsylvania	231, 269, 280
Vertebrata of the Dakota Epoch, Colorado	233, 279, 280, 311
Remains of Man with Extinct Vertebrata, Oregon	292
Crural Processes in the Genus <i>Atrypa</i>	314, 337
Columella and Stapes in Turtles	314, 335
Permian Batrachia and Reptilia of Texas	505
Synopsis of Peruvian Fishes	673
American Extinct Rhinoceroid Mammals	712
CRESSON, C. M.	
Coal from Pulaski County, Va	215, 263, 312
DESOR, E.	
On Pierres à écuilles in Europe	714
DRAPER, H.	
Discovery of Oxygen in the Sun	5, 74
FRAZER, P., JR.	
Remarks on Prof. Prime's Paper	255
Crystallography in Sculpture	258

FRAZER, P., JR.	<i>Page.</i>
Trap Dyke through Lancaster County, Pa., &c.	270, 278
Experiments to Illustrate the formation of Limonite	289
Arms of Lord Baltimore on Mile Posts	280
Cranial Planes in a Model Bust	289
Microscopical Observations of the Phonograph Record	531, 712
Metric Tables calculated for use	536, 712
Pot-holes and Indian Sculpture in the Susquehanna	714
Geological Section along the Susquehanna	719
Ripple Marks on a Slab of Limestone	725
Electrotype of phonograph ribbon by Edison	725
GATSCHET, A. S.	
The Timucua Language	490, 712
GENTH, F. A.	
Tellurium and Vanadium Minerals	9, 113
GINLEY, W.	
Crural Processes in Genus <i>Atrypa</i>	314, 337
HALL, C. E.	
Fossils in Westmoreland County, Pa.	270
HAUPT, H.	
Seaboard Pipe Line Notes	13, 136
HORN, G. H.	
<i>Bostrichidae</i> of the United States	540, 715
<i>Colydiidae</i> of the United States	555, 715
HOUSTON, EDWIN J.	
Improved Telephone	720
Microphone Relay	728
HUBBARD, H. G.	
Coleoptera of Michigan	593, 627, 643
Larva of <i>Micromalthus debilis</i>	666
KIRKWOOD, D.	
Ærolitic Epoch of Nov. 12—13	314, 339
LAUTENBACH, B. F.	
Irrelation of a polarized Nerve	728
LECONTE, J. L.	
Schwarz's Coleoptera of Florida	308, 470
New Species of Coleoptera of Michigan	593, 715
LESLEY, J. P.	
Note on the Etymology of <i>μαζαπτος</i>	7
Magnesium Limestone, Analyses at Harrisburg	260, 279
Pierres à écuilles	714
Geological Colored County Maps of Pennsylvania	12
Sea-board Oil Pipe Line across Pennsylvania	14
List of Fossils in Westmoreland County	270
Crystals of Calcite enclosed in Limonite	278
Possible <i>Orthoceras</i> cast in "Azole" Rocks	312
Catskill Section, by A. Sherwood	710
Ellengowan Batrachian	724
LESQUEREUX, L.	
Silurian Land Plants in Ohio	163
Fungus Discovered in the Darlington Shales	173, 267
<i>Cordaites</i> in the Carboniferous formation	312, 314, 315

McQUILLEN, JOHN H.	<i>Page.</i>
Extirpation of Cerebrum of Pigeon	314
MASON, W. D. H.	
Batrachian Foot-prints in Anthracite.	716
MARSHALL, J.	
Derivatives of Mono- and Dichlor-Salicylic Acid.	476, 712
MITCHELL, W.	
Irrelation of a Polarized Nerve	728
MONKS, MISS S. P.	
Columella and Stapes in Turtles	314, 335
MORTON, H.	
Prof. Sadtler's Gas Analysis	722
ORTON, J.	
Cold Blooded Vertebrata in the Amazon	33, 673
PLATT, F.	
Section Across Blair County, Pa	349, 714
PRIME, F., JR.	
Palæozoic Rocks of Lehigh County	248, 278
Photographs of Overturned Anticlinals	719
PRICE, E. K.	
Sylviculture	197, 273, 275
ROBERTS, S. W.	
Reminiscences of Joseph Henry	722
ROBINSON, M.	
Letter about the Channel R. R.	282
SADTLER, S. P.	
Dichlorsalicylic Acid (by Dr. Smith).	3, 728
On the Calculation of Results in Gas Analyses	473
Reply to Prof. Morton's criticisms.	710, 712, 723
Natural Gases from Oil Wells	11
"Paraffine" from Oil Wells	11
SANDERS, R. H.	
Section of Rocks in Blair County, Pa.	349, 714
SCHWARZ, E. A.	
See Hubbard and Cope, above.	353, 373, 434
SHERWOOD, A.	
Section of Rocks in Catskill Mountain	346
SMITH, E. F.	
New Chlorine Derivatives from Toluol.	29
Dichlorsalicylic Acid	68
Decomposition of Chromic Iron	216, 279
Precipitation of Copper with Sodium Carbonate.	218
A New Monochlorodinitrophenol, &c.	706
WHEATLEY, C. M.	
Triassic Saurians, see Cope	231, 230
WILCOCKS, A.	
Shadows of Venus without Penumbra.	308, 705

Occasional Business.

	<i>Page.</i>
Deposit of the Peale Collection with the Academy of Natural Sciences	13, 14, 272, 273
Plaster Models, by Prof. Matile	727
Medal of Mr. Peabody presented	313
Bust of John Vaughn	308
Fossils offered by H. S. Osborn	709
Thomas Legacy of \$500	726
Transfer of Investment	272, 289
Michaux Legacy Committee, Subscription to "Forestry,"	7
" " Quarterly Interest	273, 312
" " Committee Report	710
" " N. A. Silva, Presented to the Park Commission	277, 713
" " Planting Trees in University Grounds	12, 721
" " 1000 copies of "Silviculture" ordered	277
Wootten Process, Committee Report, &c	3, 9
Debate, Resolutions, Advertisement of Prize	15, 263, 270, 277, 308, 314
Applications	270, 711
Catalogue, Part III, published	727
Proceedings No. 99, No. 100, published	3, 314
Dating of Papers in the Proceedings	269, 274
Report of Secretaries on Prof. Frazer's Resolution	275, 278
Use of the Hall granted to A. I. M. E	308
Letters of request for Missing Copies	4, 278, 290, 313